Author Index of Volume 53

Abdel-Mottaleb, M. S. A., 387
Allen, N. S., 293, 373
Amadelli, R., 263
Amat-Guerri, F., 199
Arct, J., 251

Bancel, F., 397
Bartocci, C., 263
Beeby, A., 335
Bergamasco, S., 109
Bokel, M., 311
Bong, P.-H., 31, 51
Bothe, E., 87

Calzaferri, G., 109
Campagna, S., 23
Carassiti, V., 263
Catalina, F., 293
Chen, H.-Z., 431, 437
Crank, G., 301

Dogra, S. K., 211
Döpp, D., 59
Douglas, P., 127

van Eijk, A. M. J., 59
El-Kady, M. Y., 387

Favaro, G., 41
Follows, G. W., 373
Fouassier, J.-P., 359
Franzke, D., 343

Giannetto, A., 23
Giuffrida, A., 23
Giusti, G., 69
Görner, H., 87
Green, A., 127
Guglielmo, G., 23
Guillet, J. E., 233

Hädener, K., 109
Harada, M., 359
Herrero, A., 293
Hirayama, S., 11
Hoshino, M., 51
Hosono, H., 423
Husain, D., 1, 169

Inoue, Y., 423

Ji, B., 1, 169

Kawabata, M., 359
Kobayashi, T., 223
Krishana Dey, J., 211

Ledward, M., 373
Lee, K. T., 51
Lee, T. S., 323
Lissi, E. A., 77
López-González, M. M. C., 199
Loutfy, R. O., 387

Maldotti, A., 263
Martínez-Utrilla, R., 199
Masetti, F., 41
Mateo, J. L., 293
Memarian, H. R., 59
Mills, A., 127
Minami, T., 11
Miura, A., 223
Moggi, L., 411
Mqadmi, S., 275
Mursyidi, A., 301
Mylona, A., 181

Navas Diaz, A., 141
Nikokavouras, J., 181
Noda, S., 423
Nowakowska, M., 233

Ochoa, C., 293
Okura, I., 423

Pina, F., 411
Pollet, A., 275

Rau, H., 311
Ricevuto, V., 23
Romani, A., 41
Rontani, J.-F., 69
Ruhlmann, D., 359
Ryoo, J. H., 31

Sahyun, M. R. V., 283
Salmon, J.-M., 397
Sarkar, M., 191
Sastre, R., 199, 293
Scaiano, J. C., 77
Schulte-Frohlinde, D., 87
Sengupta, P. K., 191
Sharma, D. K., 283
Shim, S. C., 31, 51, 323
Sodeau, J. R., 335
Soto, E. A., 77
Sotomayor, J., 411
Sustar, E., 233

Takakis, I. M., 181
Takimoto, Y., 359
Tomioka, H., 359

Varma, C. A. G., 59
Viallet, P., 397
Vigo, J., 397

Wala, M., 87
Wang, M., 431, 437
Weir, N. A., 251
Winnik, F. M., 387
Wittenbeck, P., 343
Wokaun, A., 343

Yamamoto, Y., 423
Yang, S.-L., 431, 437

Zanocco, A. L., 77

Elsevier Sequoia/Printed in The Netherlands

Subject Index of Volume 53

Absolute rate constant
determination of the absolute third-order rate constant for reaction between $Cs+O_2+N_2$ by time-resolved atomic resonance absorption spectroscopy, 169
kinetic study of the absolute rate constant for the reaction of caesium and N_2O by time-resolved atomic resonance absorption spectroscopy, 1
1-Acetonaphthone
photo Diels–Alder additions VI: rate constants for the quenching of triplet 1-acetonaphthone by various olefins, 59
Acid dyes
influence of acid dyes on the photo-oxidation of nylon 6,6 film: relationship with rate of photofading and luminescent species, 373
Acid–base
acid–base and calcium-binding properties of the fluorescent calcium indicator indo-1, 397
Acrylonitriles
photo diels–alder additions VI: rate constants for the quenching of triplet 1-acetonaphthone by various olefins, 59
Alkyl-benzenes
photochemically induced breakdown of rod-like micelles: light-induced viscosity changes, 343
Antenna effect
studies of the antenna effect in polymer systems 16: synthesis and properties of water-soluble poly(sodium styrenesulfonate-*CO*-9-(*p*-vinylphenyl)-anthracene), 233
1,10-Anthraquinone derivatives
absorption and emission spectroscopy and photochemistry of 1,10-anthraquinone derivatives: a review, 141
Aromatics
photo-oxidative cyanation of aromatics on semiconductor powder suspensions. I. Oxidation processes involving radical species, 263
Atomic resonance absorption spectroscopy
determination of the absolute third-order rate constant for reaction between $C_s+O_2+N_2$ by time-resolved atomic resonance absorption spectroscopy, 169
kinetic study of the absolute rate constant for the reaction of caesium and N_2O by time-resolved atomic resonance absorption spectroscopy, 1

Benzoxazolinone
luminescent characteristics of benzoxazolinone and its prototropic species, 211
Bichromophoric molecules
photochemistry of bichromophoric molecules with camphor structure II: the photochemistry of 3-diazocamphor, 311
4,4′-Biphenylbisazide
nanosecond laser photolysis of 4,4′-biphenylbisazide in solution, 223

Cadmium sulphide
electron transfer reactions sensitised by colloidal cadmium sulphide: effect of colloid concentration and flash intensity on rate, 127
Caesium
kinetic study of the absolute rate constant for the reaction of caesium and N_2O by time-resolved atomic resonance absorption spectroscopy, 1
Calcium-binding
acid–base and calcium-binding properties of the fluorescent calcium indicator indo-1, 397
Camphor
photochemistry of bichromophoric molecules with camphor structure II: the photochemistry of 3-diazocamphor, 311
Charge transfer
luminescent characteristics of benzoxazolinone and its prototropic species, 211

Elsevier Sequoia/Printed in Switzerland

Chemiluminescence
chemiluminescent reactions of *E*-2-hydroxy-4′-substituted stilbenes with singlet oxygen, 181
Co(sepulchrate)$^{3+}-I^-$
photochemistry of the Co(Sep)3^+-I^- system: evaluation of the quantum yield for the photochemical redox reaction of the ion pair, 411
Cyclodextrins
photochemistry in cyclodextrins, 335

cis/trans-Decalin
mechanistic study of the photosensitized oxidation of *cis*-decalin and *trans*-decalin, 69
Deprotonation
luminescent characteristics of benzoxazolinone and its prototropic species, 211
p-(*N*,*N*-Dialkylamino)benzylidenemalononitriles
non-radiative deactivation of *p*-(*N*,*N*-dialkylamino) benzylidenemalononitriles, 275
3-Diazocamphor
photochemistry of bichromophoric molecules with camphor structure II. The photochemistry of 3-diazocamphor, 311
Di-pyridyl-ketones
effect of the nitrogen position on the excited state properties of the six isomeric di-pyridyl-ketones, 41
Diels–Alder additions
photo Diels–Alder additions VI: rate constants for the quenching of triplet 1-acetonaphthone by various olefins, 59
Dimerization
nanosecond laser photolysis of 4,4′-biphenylbisazide in solution, 223

Electron transfer
chemiluminescent reactions of *E*-2-hydroxy-4′-substituted stilbenes with singlet oxygen, 181
electron transfer reactions sensitised by colloidal cadmium sulphide: effect of colloid concentration and flash intensity on rate, 127
photoinduced electron transfer in viologen-linked porphyrins (*m*-PC$_n$V), 423
Electrons
quantum yields for the generation of hydrated electrons and single-strand breaks in poly(C), poly(A) and single-stranded DNA in aqueous solution on 20 ns laser excitation at 248 nm, 87
Elliptical scan streak camera
high quality fluorescence decay curves and lifetime imaging using an elliptical scan streak camera, 11
Eosin Y
singlet oxygen photogeneration by ionized and un-ionized derivatives of Rose Bengal and Eosin Y in diluted solutions, 199
Ethyl esters
photochemistry of ethyl esters of α-oxocarboxylic acids, 77
Excited state
effect of the nitrogen position on the excited state properties of the six isomeric di-pyridyl-ketones, 41

Flash photolysis
electron transfer reactions sensitised by colloidal cadmium sulphide: effect of colloid concentration and flash intensity on rate, 127
laser flash photolysis study of 1-pyrazinyl-2-(4′-quinolinyl)ethylene, 51
photo-oxidative cyanation of aromatics on semiconductor powder suspensions I: oxidation processes involving radical species, 263
photochemistry of ethyl esters of α-oxocarboxylic acids, 77
Fluorescence
high quality fluorescence decay curves and lifetime imaging using an elliptical scan streak camera, 11
solute–solvent relaxation of electronically excited xanthene dyes, 109
spectral properties of 1-pyrazinyl-2-(4′-quinolinyl)ethylene, 31
Fluorescence probe
acid–base and calcium-binding properties of the fluorescent calcium indicator indo-1, 397
flexible styrylcoumarin fluorescence probe for polymerization, 387

7-Hydroxyflavone
solvent relaxation effects on the luminescence properties of 7-hydroxyfla-

vone: steady state polarization and time-resolved emission studies, 191

Indo-1
acid–base and calcium-binding properties of the fluorescent calcium indicator indo-1, 397

Ketones
photochemistry in cyclodextrins, 335

Laser excitation
quantum yields for the generation of hydrated electrons and single-strand breaks in poly(C), poly(A) and single-stranded DNA in aqueous solution on 20 ns laser excitation at 248 nm, 87
Lifetime imaging
high quality fluorescence decay curves and lifetime imaging using an elliptical scan streak camera, 11
Luminescence
solvent relaxation effects on the luminescence properties of 7-hydroxyflavone: steady state polarization and time-resolved emission studies, 191

Mass spectrometry
photoreactions of poly(*o*-propionylstyrene) in the long-wave UV region, 251
Methanol
photoreaction of 1-(1-naphthyl)-1,3-butadiynes with methanol, 323
Methylene
photoinduced electron transfer in viologen-linked porphyrins (*m*PC$_n$V), 423

1-(1-Naphthyl)-1,3-butadiynes
photoreaction of 1-(1-naphthyl)-1,3-butadiynes with methanol, 323
Nitrogen
effect of the nitrogen position on the excited state properties of the six isomeric di-pyridyl-ketones, 41
Non-radiative deactivation
non-radiative deactivation of *p*-(*N*,*N*-dialkylamino)benzylidenemalononitriles, 275
Nylon 6,6 film
influence of acid dyes on the photo-oxidation of nylon 6,6 film: relationship with rate of photofading and luminescent species, 373

Olefins
photo Diels–Alder additions VI: rate constants for the quenching of triplet 1-acetonaphthone by various olefins, 59
Organic media
photoreduction of surfactant dichromates in organic media, 283
α-Oxo-carboxylic acids
photochemistry of ethyl esters of α-oxo-carboxylic acids, 77

Palladium(II) complexes
absorption spectra and luminescence properties of a series of pyridine carboxaldehyde phenylhydrazone ligands and their palladium(II) complexes, 23
S-Phenyl thiobenzoate
S-phenyl thiobenzoate as a new sulphur-containing photoinitiator: a product, laser flash photolysis and photopolymerization study, 359
Photo-oxidation
influence of acid dyes on the photo-oxidation of nylon 6,6 film: relationship with rate of photofading and luminescent species, 373
photochemical reactions of thioamides, 301
Photo-oxidative cyanation
photo-oxidative cyanation of aromatics on semiconductor powder suspensions I: oxidation processes involving radical species, 263
Photoconductivity
photoconductivity of phthalocyanine composites I: double-layered photoreceptor of CuPc–PVK, 431
photoconductivity of phthalocyanine composites II: double-layered photoreceptor of Fe^{II}Pc–PVK, 437
Photocyclization
photoreaction of 1-(1-naphthyl)-1,3-butadiynes with methanol, 323
Photodissociation
nanosecond laser photolysis of 4,4′-biphenylbisazide in solution, 223
Photoenolization
photoreactions of poly(*o*-propionylstyrene) in the long-wave UV region, 251
Photofading
influence of acid dyes on the photo-oxidation of nylon 6,6 film: relationship

with rate of photofading and luminescent species, 373
Photofragmentation
photochemistry of ethyl esters of α-oxocarboxylic acids, 77
Photogeneration
singlet oxygen photogeneration by ionized and un-ionized derivatives of Rose Bengal and Eosin Y in diluted solutions, 199
Photoinitiator
S-phenyl thiobenzoate as a new sulphur-containing photoinitiator: a product, laser flash photolysis and photopolymerization study, 359
Photoisomerization
absorption spectra and luminescence properties of a series of pyridine carboxaldehyde phenylhydrazone ligands and their palladium(II) complexes, 23
laser flash photolysis study of 1-pyrazinyl-2-(4′-quinolinyl)ethylene, 51
mechanistic study of the photosensitized oxidation of *cis*-decalin and *trans*-decalin, 69
spectral properties of 1-pyrazinyl-2-(4′-quinolinyl)ethylene, 31
Photolysis
determination of the absolute third-order rate constant for reaction between $Cs + O_2 + N_2$ by time-resolved atomic resonance absorption spectroscopy, 169
nanosecond laser photolysis of 4,4′-biphenylbisazide in solution, 223
photochemically induced breakdown of rod-like micelles: light-induced viscosity changes, 343
photoreaction of 1-(1-naphthyl)-1,3-butadiynes with methanol, 323
S-phenyl thiobenzoate as a new sulphur-containing photoinitiator: a product, laser flash photolysis and photopolymerization study, 359
spectroscopic and photostability study of derivatives of pyrazino[2,3-*c*]-1,2,6-thiadiazine-2,2-dioxide, 293
Photopolymerization
S-phenyl thiobenzoate as a new sulphur-containing photoinitiator: a product, laser flash photolysis and photopolymerization study, 359
Photoreceptor
photoconductivity of phthalocyanine composites I: double-layered photoreceptor of CuPc–PVK, 431
photoconductivity of phthalocyanine composites II: double-layered photoreceptor of $Fe^{II}Pc$–PVK, 437
Photoreduction
photoreduction of surfactant dichromates in organic media, 283
Photosensitized oxidation
mechanistic study of the photosensitized oxidation of *cis*-decalin and *trans*-decalin, 69
Photostability
spectroscopic and photostability study of derivatives of pyrazino[2,3-*c*]-1,2,6-thiadiazine-2,2-dioxide, 293
studies of the antenna effect in polymer systems 16: Synthesis and properties of water-soluble poly(sodium styrenesulfonate-*CO*-9-(*p*-vinylphenyl)-anthracene), 233
Phthalocyanine
photoconductivity of phthalocyanine composites I: double-layered photoreceptor of CuPc–PVK, 431
photoconductivity of phthalocyanine composites II: double-layered photoreceptor of $Fe^{II}Pc$–PVK, 437
Polarization
solvent relaxation effects on the luminescence properties of 7-hydroxyflavone: steady state polarization and time-resolved emission studies, 191
Poly(A)
quantum yields for the generation of hydrated electrons and single-strand breaks in poly(C), poly(A) and single-stranded DNA in aqueous solution on 20 ns laser excitation at 248 nm, 87
Poly(C)
quantum yields for the generation of hydrated electrons and single-strand breaks in poly(C), poly(A) and single-stranded DNA in aqueous solution on 20 ns laser excitation at 248 nm, 87
Poly(*o*-propionylstyrene)
photoreactions of poly(*o*-propionylstyrene) in the long-wave UV region, 251
Poly(sodium styrenesulfonate-*CO*-9-(*p*-vinylphenyl)anthracene)
studies of the antenna effect in polymer systems 16: synthesis and properties of water-soluble poly(sodium styrene-

sulfonate-*CO*-9-(*p*-vinylphenyl)-anthracene), 233
Polymer residue
photoreactions of poly(*o*-propionylstyrene) in the long-wave UV region, 251
Polymerization
flexible styrylcoumarin fluorescence probe for polymerization, 387
Protonation
Luminescent characteristics of benzoxazolinone and its prototropic species, 211
Pyrazino[2,3-*c*]-1,2,6-thiadiazine-2,2-dioxide
spectroscopic and photostability study of derivatives of pyrazino[2,3-*c*]-1,2,6-thiadiazine-2,2-dioxide, 293
1-Pyrazinyl-2-(4′-quinolinyl)ethylene
laser flash photolysis study of 1-pyrazinyl-2-(4′-quinolinyl)ethylene, 51
spectral properties of 1-pyrazinyl-2-(4′-quinolinyl)ethylene, 31
Pyridine carboxaldehyde phenylhydrazone ligands
absorption spectra and luminescence properties of a series of pyridine carboxaldehyde phenylhydrazone ligands and their palladium(II) complexes, 23

Redox reaction
photochemistry of the $Co(Sep)^{3+} - I^-$ system: evaluation of the quantum yield for the photochemical redox reaction of the ion pair, 411
Relaxation
solute–solvent relaxation of electronically excited xanthene dyes, 109
solvent relaxation effects on the luminescence properties of 7-hydroxyflavone: steady state polarization and time-resolved emission studies, 191
Rod-like micelles
photochemically induced breakdown of rod-like micelles; light-induced viscosity changes, 343
Rose Bengal
singlet oxygen photogeneration by ionized and un-ionized derivatives of Rose Bengal and Eosin Y in diluted solutions, 199

Semiconductor
photo-oxidative cyanation of aromatics on semiconductor powder suspensions I: oxidation processes involving radical species, 263
Single-stranded DNA
quantum yields for the generation of hydrated electrons and single-strand breaks in poly(C), poly(A) and single-stranded DNA in aqueous solution on 20 ns laser excitation at 248 nm, 87
Singlet oxygen
chemiluminescent reactions of *E*-2-hydroxy-4′-substituted stilbenes with singlet oxygen, 181
singlet oxygen photogeneration by ionized and un-ionized derivatives of Rose Bengal and Eosin Y in diluted solutions, 199
Stilbenes
chemiluminescent reactions of *E*-2-hydroxy-4′-substituted stilbenes with singlet oxygen, 181
Styrylcoumarin
flexible styrylcoumarin fluorescence probe for polymerization, 387
Surfactant dichromatyes
photoreduction of surfactant dichromates in organic media, 283

Thioamides
photochemical reactions of thioamides, 301

Viologen-linked porphyrins
photoinduced electron transfer in viologen-linked porphyrins (*m*-PC_nV), 423
Viscosity
photochemically induced breakdown of rod-like micelles: light-induced viscosity changes, 343

Xanthene dyes
solute–solvent relaxation of electronically excited xanthene dyes, 109